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NETZSCH
Proven Excellence.



iFD-Stator® 2.0

The further development of the proven iFD-Stator®

Pumps & Systems

iFD-Stator® 2.0

THE NEXT GENERATION

Characteristics and Components

As market leader and the world's biggest manufacturer of progressing cavity pumps we have often proven our know-how and innovation potential. Customer benefits and quality of our new products are always the highest priority.

The iFD-Stator® concept, developed in 2007, is a revolutionary breakthrough from the conventional stator design. It offers significant advantages regarding capacity, cost-savings and environmental friendliness. The iFD-Stator® has been accredited by the German Environmental Foundation (Deutsche Bundesstiftung Umwelt). With the introduction of the new iFD-Stator® 2.0 the stator can be used in an even wider range of application.

Technical Profile

- Capacity range 2 to 220 gpm / 0.5 to 50 m^3/h, pressure up to 180 psi / 12 bar
- Temperature range 32°F to 194°F / 0°C to 90°C
- 01L and 02S geometry

iFD stands for

- **I**ntegration of capacity and environmental protection
- **F**lexibility of the sealing line through the inter-relationship between the components
- **D**ual system consisting of elastomer insert and clamp shell

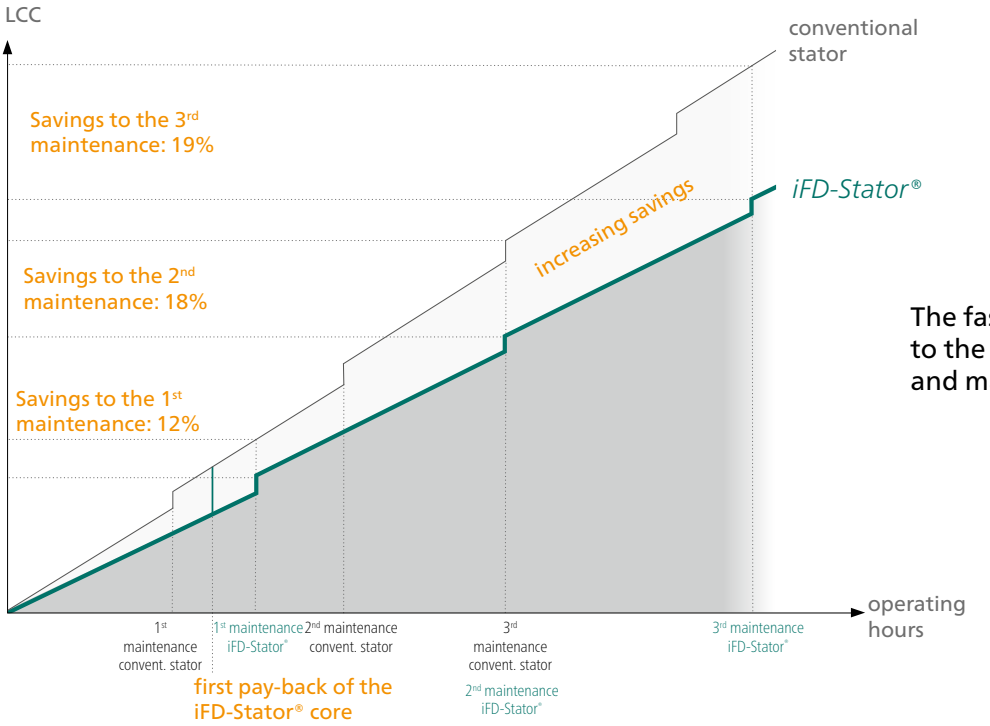
Advantages

- Compatible with all NEMO® Pumps of the NM® series due to interchangeable dimensions
- Faster stator change due to simple opening of the stator housing, without pre-tensioning
- Long lifetime, low life cycle costs, low energy costs due to reduced starting torques
- Higher degree of efficiency
- Reliable performance through robust construction, certified elastomer quality and from a modern production process
- Certified according to ATEX
- Environmentally friendly in production and disposal



Convince yourself how simple it is to replace the iFD-Stator® 2.0 by watching our video!

Pay-back within the 1st maintenance cycle



The fast pay-back is due to the savings of energy and maintenance costs.

Economy
The inter-relationship between the stator in the stator housing prolongs lifetime and reduces life cycle costs.

Life Cycle Costs
The reduced initial starting torque allows the selection of smaller drives which leads to the reduction in investment costs and energy consumption.

Easy to Assembly and Disassembly
The two-part housing makes assembly and disassembly of the stator very easy and therefore the maintenance time is reduced.

Stator Assembly
The stator can be easily slid onto the rotor. When the stator clamp is fastened, the perfect compression fit is generated between the rotor and stator.

Reuseabilty
The stator shell is reusable and only the elastomer insert needs to be replaced. Therefore, the replacement of a stator is significantly less costly.

Patent
The unique and inovative design of iFD-Stator® 2.0 is registered for national and international patents.

Environmental Protection
Accredited by the German Environmental Foundation (Deutsche Bundesstiftung Umwelt) for its innovative characteristics and the diverse aspects of environmental friendliness.

The NETZSCH Group is an owner-managed, international technology company with headquarters in Germany. The Business Units Analyzing & Testing, Grinding & Dispersing and Pumps & Systems represent customized solutions at the highest level. More than 3,800 employees in 36 countries and a worldwide sales and service network ensure customer proximity and competent service.

Our performance standards are high. We promise our customers Proven Excellence – exceptional performance in everything we do, proven time and again since 1873.

The NETZSCH Business Unit Pumps & Systems offers with NEMO® progressing cavity pumps, TORNADO® rotary lobe pumps, NOTOS® multi screw pumps, macerators/grinders, dosing technology and equipment custom built and challenging solutions for different applications globally.

Proven Excellence.

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